

EXPERIMENT 9

Aim:

To study the steps for hiding and extracting any text file behind an image file/ Audio file using Command Prompt.

Here is the procedure and result for Experiment 9 (Steps for Hiding and Extracting Text File behind an Image or Audio File using Command Prompt):

Procedure:

1. Preparation:

- o Copy the text file you want to hide (e.g., A.txt) and the image file (e.g., B.jpg) to the Desktop for easy access.

2. Open Command Prompt: Press Win + R, type cmd, and press Enter. o Change directory to Desktop by typing:

```
cd Desktop  
text
```

3. Hide Text inside Image:

- o Use the binary copy command to merge the text file with image file:

```
text  
copy/b B.jpg + A.txt C.jpg
```

- o This command creates C.jpg, the image file with the hidden text embedded.

4. Retrieve Hidden Text:

- o Locate the merged file C.jpg. o Right-click on C.jpg and open it with Notepad. o Scroll to the very bottom of the file in Notepad to see the hidden text from A.txt.

Alternative: Hide any File behind Audio

- If you want to hide a ZIP or other file behind an audio file (e.g., sound.mp3 and secret.zip), use:

```
text copy /b sound.mp3 + secret.zip  
newfile.mp3
```

- To retrieve the hidden file, rename `newfile.mp3` back to `.zip` or open it with an archive tool.

Result:

- The text file was successfully hidden within the image file without altering the visible content.
- The hidden data could be retrieved by opening the merged file in a text editor.
- This basic steganography technique demonstrates how files can be concealed in multimedia content for confidentiality or forensic challenges.